

What is claims is:

1. Apparatus for analyzing an operational condition of snow removal equipment, comprising:
  - a snow removal equipment diagnostic interface coupled to an analysis module for analyzing data regarding the operational condition of the snow removal equipment; and
  - a display module coupled to the analysis module for displaying information relating to the operational condition of the snow removal equipment.
2. The apparatus as defined in claim 1 wherein the snow removal equipment diagnostic interface is removably coupled to the analysis module.
3. The apparatus as defined in claim 1 wherein the analysis module includes a personal computer and the display module comprises a video display terminal.
4. The apparatus as defined in claim 1 wherein the analysis module identifies and displays information relating to systems of the snow removal equipment and compares to a predetermined range of reference data.
5. The apparatus as defined in claim 1 wherein the display module comprises at least one indicator light.
6. The apparatus as defined in claim 1 further comprising a vehicle diagnostic interface coupled to the analysis module.
7. Apparatus for analyzing the operational condition of snow removal equipment comprising:
  - a snow removal equipment interface coupled to a diagnostic interface and a vehicle interface coupled to the diagnostic interface;
  - an analysis module coupled to the diagnostic interfaces and receiving data from the diagnostic interfaces, the analysis module including analysis

hardware for analyzing data regarding the operational condition of the snow removal equipment; and

    a video display terminal coupled to the computer displaying information concerning the operational condition of the snow removal equipment and vehicle.

8.           The apparatus as defined in claim 7 wherein the analysis module includes a storage component which can store a service history of the snow removal equipment.

9.           The apparatus as defined in claim 8 wherein the analysis module can continue the service history each time the operational condition is analyzed.

10.          The apparatus as defined in claim 7 wherein the apparatus for analyzing the operational condition is mobile.

11.          The apparatus as defined in claim 7 wherein the apparatus can be networked with another diagnostic system.

12.          The apparatus as defined in claim 7 wherein the analysis module comprises a computer interface and a computer for receiving data.

13.          A method for analyzing the operational condition of snow removal equipment comprising:

    coupling a diagnostic interface to snow removal equipment;

    obtaining data from the diagnostic interface with an analysis module;

    comparing the data with predetermined data concerning the operational condition of the snow removal equipment; and

    displaying information related to the data on a display module.

14.          The method as defined in claim 13 wherein a computer is used to compare the data relating to the operational condition of the snow removal equipment with reference data.

15. The method as defined in claim 13 wherein the diagnostic interface is coupled to a vehicle.